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- (54) **SYSTEM AND METHOD OF IDENTIFYING SOURCES FOR BIOLOGICAL RHYTHMS**
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- (*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 20 days.

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- (51) **Int. Cl.**
A61B 5/024 (2006.01)
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- (52) **U.S. Cl.**
CPC **A61B 5/002** (2013.01); **A61B 5/02405** (2013.01); **A61B 5/0464** (2013.01)

- (58) **Field of Classification Search**
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See application file for complete search history.

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(57) **ABSTRACT**

An example system and method of locating a source of a heart rhythm disorder are disclosed. In accordance with the method, a first pair of cardiac signals is processed to define a first coefficient associated with variability of the first pair of signals at a first region of the heart. Further, a second pair of cardiac signals is processed to define a second coefficient associated with variability of the second pair of signals at a second region of the heart. Thereafter, the first coefficient of variability is compared to the second coefficient of variability to determine a direction towards the source of the rhythm disorder.

52 Claims, 11 Drawing Sheets
(3 of 11 Drawing Sheet(s) Filed in Color)

